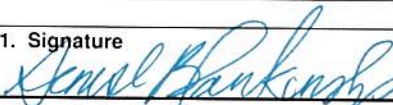
 <p style="text-align: center;">United States Environmental Protection Agency Washington, DC 20460</p> <p style="text-align: center;">Interagency Agreement/ Amendment</p> <p style="text-align: center;">Part 1 - General Information</p>		1. EPA IA Identification Number RW-012-92462401 - 3		2. Funding Location by Region EPA HQ					
		3. Other Agency IA ID Number (if known) 16IA11132543073		4. Awarding Office IASSC East					
		5. Type of Action Augmentation: Increase		6. IA Specialist: Michelle Messick 202-564-5358 messick.michelle@epa.gov					
7. Name and Address of EPA Organization US Environmental Protection Agency IASSC East 1200 Pennsylvania Avenue, NW Mail code 3903R Washington, DC 20460			8. Name and Address of Other Agency Department of Agriculture Forest Service, Fire and Aviation 1400 Independence Avenue, SW Washington, DC 20250						
9. DUNS: 029128894		10. BETC: COLL		11. DUNS: 929332484					
12. BETC: DISB									
13. Project Title and Description National Air Quality Smoke Management - Wildfire Incidents									
<p>EPA technical specialists with expertise in air quality science (Air Resource Advisors - hereinafter ARAs), to be deployed to assist the Forest Service's (FS) Incident Command System Personnel during wildfire events. An identified risk by FS is the challenge to the public and fire personnel from the impacts of smoke. These ARAs will provide the needed resources to mitigate these risks, which includes monitoring of air quality and its effect on public and firefighters' health and safety. This air quality information will be provided to the FS Incident Management Team, and ARAs will work with multiple agencies to ensure that accurate information is disseminated/communicated and smoke exposure reduced.</p> <p>Modify Project and budget Periods; Increase Funding; Following actions: (1) Add Funding; (2) Extend Period of Performance through 9/30/2019.</p>									
14. EPA Project Officer (Name, Address, Telephone Number) Carolyn Blake 109 T.W. Alexander Drive (C404-02) Research Triangle Park, NC 27709 919-541-5256 E-Mail: blake.carolyn@epa.gov FAX: 919-685-3756			15. Other Agency Project Officer (Name, Address, Telephone) Pete Lahm 1400 Independence Avenue, SW Washington, DC 20250 202-205-1084 E-Mail: plahm@fs.fed.us FAX: 202-205-1401						
16. Project Period: 09/05/2016 to 09/30/2019			17. Budget Period: 09/05/2016 to 09/30/2019						
18. Scope of Work (See Attachment) Remains the same									
19. Employer/Tax ID No. 520852695		20. CAGE No: 347A4		21. ALC: 68-01-0727					
22. Statutory Authority for Transfer of Funds and Interagency Agreement Economy Act 31 U.S.C. 1535					23. Other Agency Type Federal Agency				
24. Revise Reimbursable Funds and Direct Fund Cites (only complete if applicable)									
	Previous Funding		This Action		Amended Total				
Revise Reimbursable (in-house)			0.00		0.00				
Direct Fund Cite (contractor)			0.00		0.00				
Total					0.00				
	Previous Amount		Amount This Action		Total Amount				
25. EPA Amount			\$0.00		\$0.00				
26. EPA In-Kind Amount					\$0.00				
27. Other Agency Amount		\$186,307.20	\$285,700.16		\$472,007.36				
28. Other Agency In-Kind Amount					\$0.00				
29. Total Project Cost		\$186,307.20	\$285,700.16		\$472,007.36				
30. Fiscal Information									
Treas. Symbol	DCN	FY	Appropriation	Budget Org	PRC	Object Class	Site/Project	Cost Org	Ob/De-Ob Amt
6818/190108		1819	BR	53F2Z01	000A59	0			38,190.00
6818/190108		1819	BR	53F2X09	000A59	0			29,572.94
6818/190108		1819	BR	53F2X10	000A59	0			31,689.09

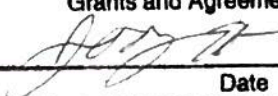
Fiscal (Continued)									
Treas. Symbol	DCN	FY	Appropriation	Budget Org	PRC	Object Class	Site/Project	Cost Org	Ob/De-Ob Amt
6818/190108	-	1819	BR	53F2X11	000A59	0	-	-	25,439.56
6818/190108	-	1819	BR	53F2X12	000A59	0	-	-	27,120.74
6818/190108	-	1819	BR	53F2X13	000A59	0	-	-	27,120.74
6818/190108	-	1819	BR	53F2X14	000A59	0	-	-	30,219.44
6818/190108	-	1819	BR	53F2X15	000A59	0	-	-	29,425.89
6818/190108	-	1819	BR	53F2X16	000A59	0	-	-	21,481.50
6818/190108	-	1819	BR	53F2X17	000A59	0	-	-	25,440.26
									285,700.16

EPA Form 1610-1 (Rev. 11-09). Previous editions are obsolete.

Part II - Approved Budget				EPA IAG Identification Number
				RW-012-92462401 - 3
31. Budget Categories	Itemization of All Previous Actions	Itemization of This Action	In-Kind Itemization of This Action	Itemization of Total Project Cost to Date
(a) Personnel	\$126,860.38	\$198,009.46		\$324,869.84
(b) Fringe Benefits	\$0.00			\$0.00
(c) Travel	\$31,435.25	\$49,500.00		\$80,935.25
(d) Equipment	\$0.00			\$0.00
(e) Supplies	\$0.00			\$0.00
(f) Procurement / Assistance	\$0.00			\$0.00
(g) Construction	\$0.00			\$0.00
(h) Other	\$0.00			\$0.00
(i) Total Direct Charges	\$158,295.63	\$247,509.46	\$0.00	\$405,805.09
(j) Indirect Costs:	\$28,011.57	\$38,190.70		\$66,202.27
Charged - Amount Rate: 15.43% Base: \$ Not Charged: Funds-In: Not charged by EPA Amount \$				
(k) Total (EPA Share 0.00 %) (Other Agency Share 100.00 %)	\$186,307.20	\$285,700.16	\$0.00	\$472,007.36
32. How was the IDC Base calculated?				
33. Is equipment authorized to be furnished by EPA or leased, purchased, or rented with EPA funds? Yes <input checked="" type="checkbox"/> No				
(Identify all equipment costing \$1,000 or more)				
34. Are any of these funds being used on Procure/Assistance agreements? Yes <input checked="" type="checkbox"/> No				
Type of Procure/Assistance Agreement				
Contractor/Recipient Name (if known)	Total Procure/Assistance Amount Under This Project		Percent Funded by EPA (if known)	
	Total \$ 0.00			
Part III - Funding Methods and Billing Instructions				
35.	(Note: EPA Agency Location Code (ALC) - 68010727)			
Disbursement Agreement	Request for repayment of actual costs must be itemized on SF 1080 and submitted to the Financial Management Office, Cincinnati, OH 45268-7002:			
Repayment	Monthly	Quarterly	Upon Completion of Work	
Advance	Only available for use by Federal agencies on working capital fund or with appropriate justification of need for this type of payment method. Unexpended funds at completion of work will be returned to EPA. Quarterly cost reports will be forwarded to the Financial Management Center, EPA, Cincinnati, OH 45268-7002.			
Allocation Transfer-Out	Used to transfer obligational authority or transfer of function between Federal agencies. Must receive prior approval by the Office of Comptroller, Budget Division, Budget Formulation and Control Branch, EPA Hdqtrs. Forward appropriate reports to the Financial Reports and Analysis Branch, Financial Management Division, PM-226F, EPA, Washington, DC 20460.			
36. <input checked="" type="checkbox"/> Reimbursement Agreement	<input checked="" type="checkbox"/> Repayment <input type="checkbox"/> Advance			
Allocation Transfer-In				
Other Agency's Billing Address (include ALC or Station Symbol Number)			Other Agency's Billing Instructions and Frequency	
			ALC-12-40-1100	
			Billing and collection procedures will follow the Intra-Governmental Payment and Collection (IPAC) system process. See IA Agreement, Section VIII.A, Page 4.	
			Other Agency TAS 12 X 1115 (FY16)	
			12 17/20 1115 (FY17)	
			12 18/21 1118 (FY18)	

Part IV - Acceptance Conditions		EPA Identification Number RW-012-92462401 - 3
37. Terms and Conditions, when included, are located at the end of the 1610-1, or as an attachment.		
<p align="center">Part V - Offer and Acceptance</p> <p>Note: A) For Fund-out actions, the agreement/amendment must be signed by the other agency official in duplicate and one original returned to the Grants and IA Management Division for Headquarters agreements or to the appropriate EPA Regional IA administration office within 3 calendar weeks after receipt or within any extension of time that may be granted by EPA. The agreement/amendment must be forwarded to the address cited in item 29 after acceptance signature.</p> <p>Failure to return the properly executed document within the prescribed time may result in the withdrawal of offer by EPA. Any change to the agreement/amendment by the other agency after the document is signed by the EPA Award Official, which the Award Official determines to materially alter the agreement/amendment, shall void the agreement/amendment.</p> <p>B) For Funds-In actions, the other agency will initiate the action and forward two original agreements/amendments to the appropriate EPA program office for signature. The agreements/amendments will then be forwarded to the appropriate EPA IA administration office for signature on behalf of the EPA. EPA will return one original copy after acceptance returned to the other agency after acceptance.</p>		
EPA IA Administration Office (for administrative assistance)		EPA Program Office (for technical assistance)
38. Organization/Address U.S. Environmental Protection Agency IASSC East 1200 Pennsylvania Avenue, NW Mail code 3903R Washington, DC 20460		39. Organization/Address US Environmental Protection Agency OAR - Office of Air and Radiation 109 T.W. Alexander Drive Research Triangle Park, NC 27709
Award Official on Behalf of the Environment Protection Agency		
40. Digital signature applied by EPA Award Official FOR Tony R. Fournier - Chief Michelle Messick - AO delegate		Date 06/21/2018
Authorizing Official on Behalf of the Other Agency		
41. Signature 	Typed Name and Title Please sign and return <i>Denise Blankenship</i>	Date <i>6/21/18</i>

EPA Form 1610-1 (Rev. 11-09) Previous editions are obsolete.

The authority and format of this instrument have been reviewed and approved for signature. <i>JERRY ELIAN</i> Grants and Agreements Specialist  Date <i>6/21/2018</i>
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